

UDOT RESEARCH & DEVELOPMENT REPORT ABSTRACT

1. Report No. <div style="text-align: center;">UT-97.07</div>		2. Government Access #		3. Recipient's Catalog #	
4. Title and Subtitle Barrier Delineators: Field Performance Study and Research Findings of Alternative Barrier Delineators		5. Report Date July 1997			
		6. Performing Organization Code			
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9. Performing Organization Name and Address Utah Department of Transportation 4501 Constitution Blvd. Salt Lake City, UT 84119-14840		10. Work Unit #			
		11. Contract #			
12. Sponsoring Agency Name & Address Utah Department of Transportation 4501 Constitution Blvd. Salt Lake City, UT 84119-14840		13. Type of Report and Period Covered Internal & External Research Report 1995-1997			
		14. Sponsoring Agency Code			
15. Supplementary Notes					
16. Abstract <p>The following technical report, prepared by the research division, is on the subject of barrier delineators and their field performance. This summary of a one-year experimental field study is followed by a recommendation by the research department for a more durable barrier delineator.</p> <p>The objective of this project was to find a more durable, cost-effective top-mounting barrier delineator to help solve an existing maintenance problem with barrier delineators. Problem have been reported, by the maintenance divisions, that barrier delineators were being damaged by snow removal operations. Research was done to find some possible alternatives to the current barrier delineator being used. Six different barrier delineators were tested including the current one being used. The six mile long test section was located at approximately mile marker 114 on eastbound I-80 by the Salt Lake International airport. Approximately thirty replicates of each of the six experimental barrier delineators were mounted on top of the concrete barriers and bridge parapets of the test section in July of 1996. After one winter season, the final data was collected and some conclusions were made. The Flexx 2020 barrier delineator would be an ideal choice if a side mounting barrier delineator was ever needed. This delineator would also be a good choice for a top mounting barrier delineator for temporary barriers. For permanent barriers, the extruded aluminum barrier delineator would be an excellent choice due to its durability. The use of these recommended barrier delineators will reduce the life cycle maintenance costs and will lead to a noticeable time savings.</p>					
17. Key Words Top-Mounted, Barrier, Delineator			18. Distribution Statement <div style="text-align: center;">UNLIMITED</div>		
19. Security Classification (of this report) UNCLASSIFIED	20. Security Classification (of this page) UNCLASSIFIED	21. # of Pages 13 pp. Report and 8 pp. Appendices	22. Price		